## Chemistry - Unit 8 Objectives Stoichiometry I

By the time we finish this unit, you should be able to do these:

1. Review Concepts:
a) Determine the molar mass of a substance and use it to convert between the mass and mole measurements. (U5)
b) Relate coefficients and formulas to a molecular diagram of a reaction. (U7)
c) Given a chemical reaction stated in words, write a balanced chemical equation. (U7)
2. Starting with

- a balanced chemical equation,
- the number of moles of a reactant or product, determine the number of moles of any other reactant or product involved.

3. Starting with

- a balanced chemical equation,
- the mass of a reactant or product,
determine the mass of any other reactant or product involved.

| 4. Starting with |  |
| :--- | :--- |
| - a balanced chemical equation, |  |
| - the mass of one reactant, |  |
| - mass of product actually |  |
| produced |  |
| calculate the percent yield for |  |
| the reaction. |  |
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